Textbook Alignment to the Utah Core – Pre-Algebra

This alignment has been completed using an "Independent Alignment Vendor" from the USOE approved list (www.schools.utah.gov/curr/imc/indvendor.html.) Yes _____ No _____

Name of Company and Individual Conducting Alignment: Donna Craighead, Ph.D., RedRock Reports

A "Credential Sheet" has been completed on the above company/evaluator and is (Please check one of the following):

☐ **On record with the USOE.**

X The "Credential Sheet" is attached to this alignment.

Instructional Materials Evaluation Criteria (name and grade of the core document used to align): Pre-Algebra Core Curriculum

Ramp-Up to Algebra prepares middle school students to complete Algebra I by the end of 8th grade. The materials provide targeted, accelerated support for students who are approximately two years behind in mathematics.

Title: Ramp-Up to Algebra ISBN#: 1598961063 - *Ramp-Up to Algebra Student Set Units 1-8**

Publisher: America's Choice http://www.americaschoice.org/

**Ramp-Up to Algebra* Student Set Units 1-8 includes:

- Foundations of Algebra – Student Unit 1
- The Number System – Student Unit 2
- Geometry and Measure – Student Unit 3
- Factors and Fractions – Student Unit 4
- Data and Negatives – Student Unit 5
- Ratio and Proportionality – Student Unit 6
- Showing Relationships with Graphs – Student Unit 7
- Using Equations to Solve Problems – Student Unit 8

Overall percentage of coverage in the *Student Edition (SE) and Teacher Edition (TE)* of the Utah State Core Curriculum:

Student Edition (SE) is correlated and Teacher Edition (TE) is not correlated.

Overall percentage of coverage in *ancillary materials* of the Utah Core Curriculum: *Ancillary Materials are not correlated.*

STANDARD I: Students will expand number sense to understand, perform operations, and solve problems with rational numbers.

Percentage of coverage in the *student and teacher edition* for Standard I: *9/10 sub-indicators for the Student Edition (SE) are covered at 90 %. Teacher Edition (TE) is not correlated.*		**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard I:** *Ancillary Materials are not correlated.*		
OBJECTIVES & INDICATORS		**Coverage in *Student Edition(SE) and Teacher Edition (TE)* (pg #'s, etc.)**	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE or ancillaries*** ✓
Objective 1.1: Compute fluently with understanding and make reasonable estimates with rational numbers.				
a.	Compute fluently using all four operations with integers, and explain why the corresponding algorithms work. *Correlator Comment: To foster computational fluency with understanding, most lessons within Units 1-4 consist of a skill section in which basic skills focused on integers are embraced and practiced. Samplings of these skills are:* *-multiples of 5, 10 & 100,* *-subtracting multiples,* *-number relationships,* *-repeated addition, and* *-properties.*	**Student Edition** Unit 1 Lesson 1: p. 4 Lesson 2: p. 9 Lesson 3: p. 14 Lesson 4: p. 20 Lesson 5: p. 26 Lesson 6: p. 33 Lesson 7: p. 36 Lesson 8: p. 41 Lesson 9: p. 47 Lesson 10: p. 52 Lesson 11: p. 56 Lesson 12: p. 59 Lesson 13: p. 63 Lesson 14: p. 69 Lesson 15: p. 75 Lesson 16: p. 79 Lesson 17: p. 84 Lesson 18: p. 89 Lesson 19: p. 96 Unit 2 Lesson 1: p. 6 Lesson 2: p. 15 Lesson 3: p. 21		

		Lesson 4: p. 29 Lesson 5: p. 35 Lesson 6: p. 41 Lesson 7: p. 46 Lesson 8: p. 54 Lesson 9: p. 61 Lesson 10: p. 69 Lesson 11: p. 76 Lesson 12: p. 82 Lesson 13: p. 89 Lesson 14: p. 93 Lesson 16: p. 104 Unit 3 Lesson 5: p. 28 Lesson 6: p. 32 Lesson 9: p. 46 Unit 4 Lesson 4: p. 17 Lesson 5: p. 21 Lesson 6: p. 24 Lesson 7: p. 27 Lesson 8: p. 32 Lesson 10: p. 41 Lesson 13: p. 54 Lesson 14: p. 57 Unit 8 Lesson 1: p. 4 Lesson 2: p. 8		
b.	Compute fluently using all four operations with rational numbers, including negative fractions and decimals, and explain why the corresponding algorithms work. *Correlator Comment: To foster computational fluency with understanding, many lessons within Units 2-8 consist of a skill section in which basic skills using rational numbers are embraced and practiced. Samplings of these skills are:* *-multiples of 10 & 100,* *-number relationships,* *-mental math strategies,* *-decomposing numbers,* *-counting on, doubling, and using differences, and*	**Student Edition** Unit 2 Lesson 7: pp. 43-49 Lesson 8: pp. 50-57 Lesson 9: pp. 58-64 Lesson 10: pp. 65-71 Lesson 11: pp. 72-78 Lesson 15: p. 98 Lesson 16: pp. 100-104 Unit 3 Lesson 1: p. 5 Lesson 2: p. 12 Lesson 3: p. 18 Lesson 4: p. 23 Lesson 7: p. 36		

	-converting decimals to percents.	Lesson 8: p. 41 Lesson 10: p. 51 Lesson 11: p. 55 Lesson 12: p. 61 Lesson 13: p. 65 Lesson 14: p. 68 Unit 4 Lesson 1: pp. 1-5 Lesson 2: pp. 6-9 Lesson 3: p. 13 Lesson 8: pp. 29-34 Lesson 9: pp. 35-38 Lesson 10: pp. 39-43 Lesson 11: pp. 44-47 Lesson 12: pp. 48-51 Lesson 13: pp. 52-55 Lesson 14: pp. 56-58 Lesson 15: pp. 59-61 Lesson 16: pp. 62-66 Lesson 17: pp. 67-70 Lesson 18: pp. 71-74 Lesson 19: p. 77 Lesson 20: p. 81 Unit 5 Lesson 1: p. 6 Lesson 2: p. 13 Lesson 3: p. 17 Lesson 4: p. 24 Lesson 5: p. 29 Lesson 6: p. 35 Lesson 7: p. 43 Lesson 8: pp. 45-49 Lesson 9: pp. 50-54 Lesson 10: pp. 55-59 Lesson 11: p. 62 Lesson 12: pp. 64-67 Lesson 13: pp. 68-72 Lesson 14: pp. 73-76 Lesson 15: p. 81 Lesson 17: p. 88 Lesson 19: p. 97 Unit 6 Lesson 1: p. 4		

		Lesson 2: p. 9 Lesson 3: p. 14 Lesson 4: p. 19 Lesson 5: p. 24 Lesson 6: p. 28 Lesson 7: p. 33 Lesson 8: p. 37 Lesson 9: p. 43 Lesson 10: p. 48 Lesson 11: p. 53 Lesson 12: p. 60 Lesson 13: p. 67 Lesson 14: p. 71 Lesson 15: p. 74 Lesson 16: p. 79 Lesson 17: p. 84 Lesson 18: p. 89 Lesson 19: p. 94 Lesson 20: p. 99 Lesson 21: p. 104 Unit 7 Lesson 1: pp. 1-5 Lesson 2: pp. 6-13 Unit 8 Lesson 4: p. 17 Lesson 6: p. 22		
c.	Check the reasonableness of results using estimation.	**Student Edition** Unit 2 Lesson 8: pp. 52-53, 57 Lesson 10: pp. 69, 71 Lesson 11: pp. 74, 76-77 Lesson 12: pp. 79-83 Unit 6 Lesson 22: p. 107		
Objective 1.2: Analyze relationships among rational numbers, including negative rational numbers, and operations involving these numbers.				
a.	Order rational numbers in various forms, including scientific notation (positive and negative exponents), and place numbers on a number line.	**Student Edition** Unit 1 Lesson 1: pp. 3-4 Lesson 3: p. 12 Lesson 9: p. 48		

		Lesson 19: pp. 91-97 Unit 2 Lesson 1: pp. 1-8 Lesson 2: pp. 9-17 Lesson 3: pp. 18-22 Lesson 4: pp. 23-30 Lesson 5: pp. 31-37 Lesson 6: pp. 38-42 Lesson 7: pp. 43-49 Lesson 9: pp. 58-64 Lesson 13: pp. 84-89 Lesson 14: pp. 90-94 Lesson 15: pp. 95-99 Lesson 16: pp. 100-104 Unit 4 Lesson 1: p. 2 Lesson 8: pp. 29-34 Lesson 9: pp. 35-38 Lesson 10: pp. 39-43 Lesson 11: pp. 44-47 Lesson 12: pp. 48-51 Lesson 13: pp. 52-55 Lesson 14: pp. 56-58 Lesson 19: p. 75 Unit 5 Lesson 6: pp. 31-38 Lesson 7: pp. 39-44 Lesson 8: pp. 45-49 Lesson 9: pp. 50-54 Lesson 10: pp. 55-59 Lesson 11: pp. 60-63 Lesson 13: pp. 68-72 Lesson 16: pp. 83-85 Lesson 17: pp. 86-89 Lesson 19: pp. 94-98		
b.	Predict the effect of operating with fractions, decimals, percents, and integers as an increase or a decrease of the original value.	**Student Edition** Unit 2 Lesson 8: pp. 50-57 Lesson 10: pp. 65-71 Lesson 11: pp. 72-73 Lesson 12: pp. 769-83		
c.	Recognize and use the identity properties of addition and	**Student Edition** Unit 1		

	multiplication, the multiplicative property of zero, the commutative and associative properties of addition and multiplication, and the distributive property of multiplication over addition.	Lesson 6: pp. 29-34 Lesson 7: pp. 35-38 Lesson 9: pp. 44-49 Lesson 10: pp. 50-53 Lesson 11: pp. 54-57 Lesson 12: pp. 58-60 Lesson 13: pp. 61-65 Lesson 19: pp. 91-97 Unit 2 Lesson 7: p. 46 Lesson 8: pp. 50-57 Lesson 9: p. 61 Lesson 10: p. 66 Unit 4 Lesson 17: pp. 67-70 Lesson 18: p. 73 Unit 5 Lesson 14: p. 73-78 Lesson 15: pp. 78-82		
d.	Recognize and use the inverse operations of adding and subtracting a fixed number, multiplying and dividing by a fixed number, and computing squares of whole numbers and taking square roots of perfect squares.	**Student Edition** Unit 1 Lesson 1: p. 5 Lesson 11: pp. 54-57 Unit 2 Lesson 3: p. 18 Lesson 4: p. 26 Lesson 7: pp. 43-49 Lesson 8: pp. 50-57 Lesson 9: pp. 58-64 Lesson 10: pp. 65-71 Lesson 11: pp. 72-78 Lesson 12: pp. 79-83 Unit 4 Lesson 8: pp. 29-34 Lesson 9: pp. 35-38 Lesson 10: pp. 39-43 Lesson 11: pp. 44-47 Lesson 13: pp. 52-55 Lesson 14: pp. 56-58 Lesson 15: pp. 59-61 Lesson 16: pp. 62-66 Lesson 17: pp. 67-70 Lesson 19: pp. 75-79		

		Unit 5 Lesson 8: pp. 45-49 Lesson 9: pp. 50-54 Lesson 10: pp. 55-59 Lesson 11: pp. 60-63 Lesson 12: pp. 64-67 Lesson 13: pp. 68-72 Lesson 14: pp. 73-77 Lesson 15: pp. 78-82 Lesson 16: pp. 83-85 Lesson 17: pp. 86-89 Lesson 19: pp. 94-98 Unit 8 Lesson 12: p. 64		
Objective 1.3: Solve problems involving rational numbers using addition, subtraction, multiplication, and division.				
a.	Recognize the absolute value of a rational number as its distance from zero.	**Student Edition** -		
b.	Simplify numerical expressions, including those with whole number exponents and absolute values, using the order of operations.	**Student Edition** Unit 1 Lesson 1: p. 3, 5 Lesson 3: pp. 12-16 Lesson 4: pp. 17-22 Lesson 5: pp. 23-28 Lesson 9: p. 48 Lesson 10: p. 53 Lesson 12: pp. 58-60 Lesson 13: pp. 61-65 Lesson 16: p. 79 Lesson 19: pp. 91-97 Unit 2 Lesson 4: p. 26 Lesson 12: pp. 79-83 Unit 4 Lesson 17: pp. 67-70 Lesson 18: pp. 71-74 Lesson 19: pp. 75-79 Unit 5 Lesson 7: p. 43 Lesson 8: p. 48 Lesson 14: pp. 73-76 Lesson 15: pp. 78-82		

		Lesson 17: pp. 86-89 Lesson 19: p. 98 Unit 8 Lesson 14: p. 73 Lesson 15: p. 79		
c.	Solve problems involving rational numbers, percents, and proportions. *Correlator Comments: This program integrates solving problems involving rational numbers, percents, and proportions throughout many of the lessons. Problems present in various formats, including:* *-an introduction to a lesson,* *-numerical computations,* *-theoretical conceptions,* *-using formulas,* *-substituting values, and* *-real-world scenarios.*	**Student Edition** Unit 1 Lesson 4: pp. 17-22 Lesson 5: p. 27 Lesson 8: pp. 39-43 Lesson 9: pp. 44-49 Lesson 10: pp. 50-53 Lesson 12: pp. 58-60 Lesson 13: pp. 61-65 Lesson 14: pp, 66-71 Lesson 15: pp. 72-76 Lesson 16: pp. 77-81 Lesson 17: pp. 82-86 Lesson 18: pp. 87-90 Lesson 19: pp. 91-97 Unit 2 Lesson 2: pp. 13, 16 Lesson 4: p. 23 Lesson 6: pp. 38-42 Lesson 8: pp. 50-57 Lesson 9: pp. 58-64 Lesson 10: pp. 68-71 Lesson 13: pp. 84-89 Lesson 14: pp. 90-94 Lesson 15: pp. 95-99 Lesson 16: pp. 103-104 Unit 3 Lesson 3: pp. 15-16 Lesson 4: pp. 21-25 Lesson 5: p. 29 Lesson 6: pp. 31-33 Lesson 7: pp. 34-35 Lesson 10: pp. 48-51 Lesson 11: pp. 53-56 Lesson 12: pp. 57-62 Lesson 13: pp. 63-66 Lesson 14: pp. 67-69 Unit 4		

		Lesson 2: p. 9 Lesson 7: pp. 26-28 Lesson 8: pp. 29-34 Lesson 10: pp. 39-43 Lesson 15: pp. 59-61 Lesson 18: p. 74 Lesson 20: pp. 80-82 Unit 5 Lesson 1: pp. 1-8 Lesson 2: pp. 9-14 Lesson 3: pp. 15-19 Lesson 4: pp. 20-26 Lesson 5: pp. 27-30 Lesson 6: pp. 31-38 Lesson 7: p. 44 Lesson 10: p. 58 Lesson 11: pp. 60-63 Lesson 16: p. 84 Lesson 18: pp. 90-93 Lesson 19: pp. 94-98 Unit 6 Lesson 2: pp. 6-10 Lesson 3: pp. 11-15 Lesson 4: pp: 16-20 Lesson 5: pp. 21-25 Lesson 6: pp. 26-29 Lesson 7: pp. 30-34 Lesson 8: pp. 35-38 Lesson 9: pp. 39-44 Lesson 10: pp. 45-49 Lesson 13: pp. 64-68 Lesson 14: pp. 69-72 Lesson 15: pp. 73-75 Lesson 16: pp. 76-81 Lesson 17: pp. 82-85 Lesson 18: pp. 86-90 Lesson 19: pp. 91-95 Lesson 20: pp. 96-100 Lesson 21: pp. 101-105 Lesson 22: pp. 106-109 Lesson 23: pp. 110-113 Lesson 24: pp. 114-116 Unit 7		

		Lesson 4, p. 16 Lesson 7: pp. 30-34 Lesson 9: pp. 41-46 Lesson 10: pp. 47-50 Lesson 11: pp. 51-55 Lesson 12: pp. 56-61 Lesson 14: pp. 69-70 Lesson 15: pp. 74-82 Lesson 16: pp. 83-86 Unit 8 Lesson 1: pp. 1-6 Lesson 2: pp. 7-10 Lesson 3: pp. 11-13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-21 Lesson 6: pp. 22-23 Lesson 7: pp. 24-28 Lesson 8: pp. 29-33 Lesson 9: pp. 34-38 Lesson 10: pp. 39-41		
STANDARD II: Students will use proportion and similarity to solve problems.				
Percentage of coverage in the *student and teacher edition* for Standard II: *11/11 sub-indicators for the Student Edition (SE) are covered at 100 %. Teacher Edition (TE) is not correlated.*		**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard II:** *Ancillary Materials are not correlated.*		
OBJECTIVES & INDICATORS		**Coverage in *Student Edition(SE) and Teacher Edition (TE)* (pg #'s, etc.)**	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE or ancillaries*** ✓
Objective 2.1: Model and illustrate meanings of ratios, percents, and decimals.				
a.	Compare ratios to determine if they are equivalent.	**Student Edition** Unit 6 Lesson 1: pp. 1-5 Lesson 2: pp. 6-10 Lesson 3: pp. 11-15 Lesson 4: pp: 16-20 Lesson 8: pp. 35-38 Lesson 17: pp. 82-85		

b.	Compare ratios using the unit rate.	**Student Edition** Unit 6 Lesson 3: pp. 11-15 Lesson 4: pp: 16-17 Lesson 5: p. 22 Lesson 7: p. 34 Lesson 8: pp. 35-38 Lesson 16: p. 77 Lesson 17: pp. 82-83 Lesson 18: p. 89 Lesson 20: p. 96		
c.	Represent percents as ratios based on 100 and decimals as ratios based on powers of ten.	**Student Edition** Unit 2 Lesson 1: pp. 1-8 Lesson 8: p. 52 Lesson 14: pp. 90-94 Lesson 15: pp. 95-99 Lesson 16: pp. 100-104 Unit 6 Lesson 2: pp. 6-10 Lesson 3: p. 15 Lesson 8: pp. 35-38 Lesson 10: pp. 45-49 Lesson 12: p. 60 Lesson 15: p. 74		
d.	Graph proportional relationships and identify the unit rate as the slope of the related line.	**Student Edition** Unit 6 Lesson 16: p. 74 Lesson 18: pp. 86-90 Lesson 19: p. 94 Lesson 20: pp. 96-100 Lesson 21: p. 102 Lesson 22: p. 109 Lesson 23: p. 111 Lesson 24: pp. 114-116		
Objective 2.2: Solve a wide variety of problems using ratios and proportional reasoning.				
a.	Set up and solve problems involving proportional reasoning using variables.	**Student Edition** Unit 6 Lesson 6: pp. 26-29 Lesson 7: pp. 30-34 Lesson 8: pp. 35-38		

		Lesson 9: pp. 39-44 Lesson 12: pp. 56-63 Lesson 13: pp. 64-68 Lesson 14: pp. 69-72 Lesson 16: pp. 76-81 Lesson 18: pp. 86-90 Lesson 19: pp. 91-95 Lesson 20: pp. 96-100 Lesson 21: pp. 101-105 Lesson 22: pp. 106-109 Lesson 23: pp. 110-113 Lesson 24: pp. 114-116 Unit 7 Lesson 4: p. 16 Lesson 7: pp. 30-34 Lesson 9: pp. 41-46 Lesson 10: pp. 47-50 Lesson 11: pp. 51-55 Lesson 12: pp. 56-61 Lesson 14: pp. 69-73 Lesson 15: pp. 74-82 Lesson 16: pp. 83-86 Unit 8 Lesson 1: pp. 4-5 Lesson 2: p. 10 Lesson 3: p. 13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-21 Lesson 6: pp. 22-23 Lesson 7: pp. 24-28 Lesson 8: pp. 29-33 Lesson 9: pp. 34-38 Lesson 10: pp. 39-41		
b.	Solve percent problems, including problems involving discounts, interest, taxes, tips, and percent increase or decrease.	**Student Edition** Unit 2 Lesson 13: pp. 84-89 Lesson 14: pp. 90-94 Lesson 15: pp. 95-99 Lesson 16: pp. 100-104 Unit 6 Lesson 7: pp. 32-33 Lesson 8: pp. 35-38 Lesson 9: pp. 39-44		

		Lesson 10: pp. 45-49		
c.	Solve ratio and rate problems using informal methods.	**Student Edition** Unit 6 Lesson 1: pp. 1-5 Lesson 2: pp. 6-10 Lesson 3: pp. 11-15 Lesson 4: pp: 16-20 Lesson 5: pp. 21-25 Lesson 6: pp. 26-29 Lesson 7: pp. 30-34 Lesson 8: pp. 35-38 Lesson 9: pp. 39-44 Lesson 10: pp. 45-49 Lesson 15: pp. 73-75 Lesson 16: pp. 76-81 Lesson 17: pp. 82-85 Lesson 18: pp. 86-90 Lesson 19: pp. 91-95 Lesson 20: pp. 96-100 Lesson 21: pp. 101-105 Lesson 22: pp. 106-109 Lesson 23: pp. 110-113 Lesson 24: pp. 114-116 Unit 7 Lesson 4: p. 16 Lesson 7: pp. 30-34 Lesson 9: pp. 41-46 Lesson 10: pp. 47-50 Lesson 11: pp. 51-55 Lesson 12: pp. 56-61 Lesson 14: pp. 69-73 Lesson 15: pp. 74-82 Lesson 16: pp. 83-86 Unit 8 Lesson 1: pp. 1-6 Lesson 2: pp. 7-10 Lesson 3: pp. 11-13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-21 Lesson 6, pp. 22-23 Lesson 7: pp. 24-28 Lesson 8: pp. 29-33 Lesson 9: pp. 34-38		

		Lesson 10: pp. 39-41		
Objective 2.3: Recognize similar polygons and use properties of similar triangles to solve problems and define the slope of a line.				
a.	Define similar polygons as polygons with corresponding angles congruent and corresponding sides that are proportional.	**Student Edition** Unit 6 Lesson 11: pp 50-55 Lesson 12: pp. 56-58 Lesson 13: pp. 64-68 Lesson 14: pp. 69-72 Lesson 16: p. 76 Lesson 17: p. 83 Lesson 24: pp. 114-116		
b.	Identify pairs of similar triangles using two pairs of congruent angles, or two pairs of proportional sides with congruent included angles.	**Student Edition** Unit 6 Lesson 11: pp 50-55 Lesson 12: pp. 56-63 Lesson 13: pp. 64-68 Lesson 14: pp. 69-72 Lesson 16: p. 76 Lesson 17: p. 83 Lesson 24: p. 114		
c.	Find missing lengths of similar triangles, including inaccessible lengths, using proportions.	**Student Edition** Unit 6 Lesson 11: pp 50-55 Lesson 12: pp. 56-63 Lesson 13: pp. 64-68 Lesson 14: pp. 69-72 Lesson 16: p. 76 Lesson 17: p. 83 Lesson 24: p. 114		
d.	Define the slope of a line as the ratio of the vertical change to the horizontal change between two points, and show that the slope is constant using similarity of right triangles.	**Student Edition** Unit 7 Lesson 4: pp. 14-18 Lesson 8: pp. 35-40 Lesson 9: pp. 41-46 Lesson 12: pp. 56-61 Lesson 13: pp. 62-68 Lesson 14: pp. 69-73		
STANDARD III: Students will develop fluency with the language and operations of algebra to analyze and represent relationships.				

Percentage of coverage in the *student and teacher edition* for Standard III: *10/11 sub-indicators for the Student Edition (SE) are covered at 91 %. Teacher Edition (TE) is not correlated.*		**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard III:** *Ancillary Materials are not correlated.*		
OBJECTIVES & INDICATORS		**Coverage in *Student Edition(SE) and Teacher Edition (TE)* (pg #'s, etc.)**	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE or ancillaries*** ✓
Objective 3.1: Generalize and express patterns using algebraic expressions.				
a.	Compare representations of a relation using tables, graphs, algebraic symbols, and mathematical rules.	**Student Edition** Unit 1 Lesson 4: pp. 17-22 Lesson 8: p. 41 Lesson 13: pp. 62, 64-65 Lesson 14: pp, 66-71 Lesson 15: pp. 73-74 Lesson 16: pp. 77-81 Lesson 17: pp. 82-86 Lesson 18: pp. 87-90 Lesson 19: pp. 91-97 Unit 3 Lesson 5: p. 27 Unit 4 Lesson 4: p. 17 Lesson 12: p. 50 Lesson 17: p. 68 Unit 5 Lesson 13: p. 72 Lesson 15: pp. 78-82 Lesson 19: pp. 94-98 Unit 6 Lesson 2: p. 7 Lesson 4: pp: 16-20 Lesson 5: pp. 21-25 Lesson 7: p. 34 Lesson 8: p. 36 Lesson 9: pp. 39-44 Lesson 10: pp. 45-49 Lesson 18: pp. 86-90		

		Lesson 19: pp. 91-95 Lesson 20: pp. 96-100 Lesson 21: pp. 101-105 Lesson 22: p. 109 Lesson 24: pp. 114-116 Unit 7 Lesson 1: pp. 1-5 Lesson 2: pp. 6-13 Lesson 3: pp. 9-13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-23 Lesson 6: pp. 24-29 Lesson 7: pp. 30-34 Lesson 8: pp. 35-40 Lesson 9: pp. 41-46 Lesson 10: pp. 47-50 Lesson 11: pp. 51-55 Lesson 12: pp. 56-61 Lesson 13: pp. 62-68 Lesson 14: pp. 69-73 Lesson 15: pp. 74-82 Lesson 16: pp. 83-86 Unit 8 Lesson 1: pp. 1-6 Lesson 2: pp. 7-10 Lesson 3: pp. 11-13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-21 Lesson 6, pp. 22-23 Lesson 7: pp. 24-28 Lesson 8: pp. 29-33 Lesson 9: pp. 34-38 Lesson 10: pp. 39-41		
b.	Describe simple patterns using a mathematical rule or algebraic expression. *Correlator Comment: Because mathematics is the language of patterns, patterns of some type can be located throughout the Units with requests to describe simple patterns using a mathematics rule or algebraic expression being more predominate in some units as in*	**Student Edition** Unit 1 Lesson 2: pp. 6 -11 Lesson 3: pp. 12-16 Lesson 4: pp. 17-22 Lesson 5: pp. 23-28 Lesson 6: pp. 29-34 Lesson 7: pp. 35-38 Lesson 8: p. 41 Lesson 9: pp. 44-49		

	other units.	Lesson 10: pp. 50-53 Lesson 11: pp. 54-57 Lesson 12: pp. 58-60 Lesson 13: pp. 61-65 Lesson 14: pp. 66-71 Lesson 15: pp. 72-76 Lesson 16: pp. 77-81 Lesson 17: pp. 82-86 Lesson 18: pp. 87-90 Lesson 19: pp. 91-97 Unit 2 Lesson 1: pp. 1-8 Lesson 2: pp. 9-17 Lesson 3: pp. 18-22 Lesson 10: p. 68 Lesson 11: p. 77 Unit 4 Lesson 1: pp. 1-5 Lesson 2: pp. 6-9 Unit 8 Lesson 1: p. 4 Lesson 2: p. 8 Lesson 4: p. 18 Lesson 7: p. 27 Lesson 8: pp. 29-33		
c.	Create and extend simple numerical and visual patterns.	**Student Edition** Unit 1 Lesson 14: pp, 66-71 Lesson 15: pp. 72-76 Lesson 16: pp. 77-81 Lesson 17: pp. 82-86 Lesson 18: pp. 87-90 Lesson 19: pp. 91-97 Unit 2 Lesson 12: p. 80 Unit 4 Lesson 1: pp. 1-5 Lesson 3: pp. 10-14 Lesson 4: pp. 15-18 Lesson 5: pp. 19-22 Lesson 6: pp. 23-25		
Objective 3.2: Evaluate, simplify, and solve algebraic				

expressions, equations, and inequalities.				
a.	Evaluate algebraic expressions, including those with whole number exponents, when given values for the variable(s).	**Student Edition** Unit 1 Lesson 3: pp. 12-16 Lesson 4: pp. 17-22 Lesson 5: pp. 23-28 Lesson 6: pp. 29-34 Lesson 7: pp. 35-38 Lesson 8: pp. 39-43 Lesson 9: pp. 44-49 Lesson 10: p. 53 Lesson 12: p. 58 Lesson 13: pp. 61-63 Lesson 19: p. 91 Unit 2 Lesson 4: p. 26 Lesson 12: pp. 79-83 Lesson 15: pp. 95-99 Unit 3 Lesson 5: pp. 26-30 Unit 4 Lesson 17: p. 68 Unit 5 Lesson 14: pp. 73-76 Lesson 15: pp. 78-82 Lesson 16: p. 84 Lesson 17: p. 88		
b.	Simplify algebraic expressions using the order of operations, algebraic properties, and exponent rules.	**Student Edition** Unit 1 Lesson 5: pp. 23-28 Lesson 6: pp. 29-34 Lesson 7: pp. 35-38 Lesson 9: pp. 44-49 Lesson 10: pp. 50-53 Lesson 11: pp. 54-57 Lesson 12: pp. 58-60 Lesson 19: pp. 91-97 Unit 4 Lesson 4: p. 11 Lesson 5: p. 22 Unit 5 Lesson 14: pp. 73-76		

		Lesson 15: pp. 78-82 Lesson 16: pp. 83-85 Lesson 17: pp. 86-89		
c.	Solve single-variable linear equations and inequalities, including those that must be simplified on one side or those with variables on both sides of an equation.	**Student Edition** Unit 6 Lesson 6: pp. 26-29 Unit 7 Lesson 3: pp 9-13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-23 Lesson 8: pp. 35-40 Lesson 9: pp. 41-46 Lesson 10: pp. 47-50 Lesson 11: pp. 51-55 Lesson 12: pp. 56-61 Lesson 13: pp. 62-68 Lesson 14: pp. 69-73		
Objective 3.3: Represent relationships using graphs, tables, and other models.				
a.	Identify approximate rational coordinates when given the graph of a point on a rectangular coordinate system.	**Student Edition** Unit 6 Lesson 16: p. 77 Lesson 19: p. 94 Lesson 20: pp. 96-100 Unit 7 Lesson 2: p. 6 Lesson 5: p. 20 Lesson 8: pp. 35-40		
b.	Graph ordered pairs of rational numbers on a rectangular coordinate system.	**Student Edition** Unit 1 Lesson 15: pp. 72-76 Lesson 16: p. 81 Lesson 17: pp. 85-86 Lesson 18: pp. 89-90 Lesson 19: pp. 91-97 Unit 6 Lesson 16: pp. 79, 81 Lesson 18: pp. 88-89 Lesson 19: p. 93-95 Lesson 20: pp. 96-100 Lesson 22: p. 108 Lesson 23: p. 111		

		Lesson 24: p. 115 Unit7 Lesson 1: pp. 4-5 Lesson 2: pp. 6-13 Lesson 3: pp. 9-13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-23 Lesson 8: pp. 35-40 Lesson 9: pp. 41-46 Lesson 10: pp. 47-50 Lesson 11: pp. 51-55 Lesson 12: pp. 56-61 Lesson 13: pp. 62-68 Lesson 14: pp. 69-73 Lesson 15: pp. 74-82 Lesson 16: pp. 83-86 Unit 8 Lesson 2: pp. 7-10 Lesson 3: pp. 11-13 Lesson 4: p. 15 Lesson 5: pp. 19-21 Lesson 6: pp. 22-23 Lesson 8: pp. 29-33 Lesson 9: p. 36		
c.	Graph linear equations using ordered pairs or tables.	**Student Edition** Unit 6 Lesson 18: pp. 88-89 Lesson 19: p. 93-95 Lesson 20: pp. 96-100 Lesson 21: pp. 101-105 Lesson 22: p. 108 Lesson 23: p. 111 Lesson 24: p. 115 Unit 7 Lesson 1: pp. 1-5 Lesson 2: pp. 6-13 Lesson 3: pp. 9-13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-23 Lesson 6: pp. 24-29 Lesson 7: pp. 30-34 Lesson 8: pp. 35-40 Lesson 9: pp. 41-46		

		Lesson 10: pp. 47-50 Lesson 11: pp. 51-55 Lesson 12: pp. 56-61 Lesson 13: pp. 62-68 Lesson 14: pp. 69-73 Lesson 15: pp. 74-82 Lesson 16: pp. 83-86 Unit 8 Lesson 2: p. 9 Lesson 3: p. 13 Lesson 4: p. 15 Lesson 8: p. 30 Lesson 9: p. 36		
d.	Recognize that all first order equations produce linear graphs. *Correlator Comment: Unit 7 focuses on relationships with a constant ratio and compares relationships to those without. Students are asked to draw conclusions that a constant (proportional) ratio produces a linear graph. However, there is not a blatant distinction between first order equations and those of a higher order.*	**Student Edition** -		
e.	Model real-world problems using graphs, tables, equations, manipulatives, and pictures, and identify extraneous information. *Correlator Comment: Ramp-Up to Algebra is very diligent about presenting real-world problems and using various formats including graphs, tables, pictures, and diagrams. Problems are age-appropriate, ethnic and gender responsible, and thought-provoking.*	**Student Edition** Unit 1 Lesson 1: pp. 1-5 Lesson 2: pp. 6 -11 Lesson 4: pp. 17-22 Lesson 7: p. 37 Lesson 8: p. 39-43 Lesson 9: pp. 44-49 Lesson 10: pp. 50-53 Lesson 12: pp. 58-60 Lesson 13: pp. 61-65 Lesson 14: pp, 66-71 Lesson 15: pp. 72-76 Lesson 16: pp. 77-81 Lesson 17: pp. 82-86 Lesson 18: pp. 87-90 Lesson 19: pp. 91-97 Unit 2 Lesson 2: pp. 9-17 Lesson 3: pp. 18-22 Lesson 6: pp. 38-42		

		Lesson 9: pp. 58-64 Lesson 11: p. 78 Lesson 15: pp. 95-99 Lesson 16: pp. 100-104 Unit 3 Lesson 3: pp. 15-20 Lesson 4: pp. 21-25 Lesson 5: pp. 26-30 Lesson 6: pp. 31-33 Lesson 7: pp. 34-37 Lesson 8: pp. 38-43 Lesson 9: pp. 44-47 Lesson 10: pp. 48-52 Lesson 11: pp. 53-56 Lesson 12: pp. 57-62 Lesson 13: pp. 63-66 Unit 4 Lesson 4: pp. 15-18 Lesson 7: pp. 26-28 Lesson 8: pp. 33-34 Lesson 10: pp. 39-43 Lesson 15: pp. 59-61 Lesson 19: p. 78 Lesson 20: pp. 80-82 Unit 5 Lesson 1: pp. 1-8 Lesson 2: pp. 8-14 Lesson 3: pp. 15-19 Lesson 4: pp. 20-21 Lesson 5: pp. 27-30 Lesson 6: pp. 31-38 Lesson 7: p. 44 Lesson 11: pp. 60-63 Lesson 18: pp. 90-93 Lesson 19: pp. 94-98 Unit 6 Lesson 2: p. 7 Lesson 6: pp. 26-29 Lesson 9: pp. 39-44 Lesson 10: pp. 45-49 Lesson 13: pp. 64-68 Lesson 14: pp. 69-72 Lesson 15: pp. 73-75		

		Lesson 16: pp. 76-81 Lesson 17: pp. 82-85 Lesson 18: pp. 86-90 Lesson 19: pp. 91-95 Lesson 20: pp. 96-100 Lesson 21: pp. 101-105 Lesson 22: pp. 106-109 Lesson 23: pp. 110-113 Lesson 24: pp. 114-116 Unit 7 Lesson 4: pp. 14-18 Lesson 7: pp. 30-34 Lesson 9: pp. 41-46 Lesson 10: pp. 47-50 Lesson 11: pp. 51-55 Lesson 12: pp. 56-61 Lesson 14: pp. 69-70 Lesson 15: pp. 74-82 Lesson 16: pp. 83-86 Unit 8 Lesson 1: pp. 1-6 Lesson 2: pp. 7-10 Lesson 3: pp. 11-13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-21 Lesson 6: pp. 22-23 Lesson 7: pp. 24-28 Lesson 8: pp. 29-33 Lesson 9: pp. 34-38 Lesson 10: pp. 39-41		
STANDARD IV: Students will use algebraic, spatial, and logical reasoning to solve geometry and measurement problems.				
Percentage of coverage in the *student and teacher edition* for Standard IV: 7*/7 sub-indicators for the Student Edition (SE) are covered at 100 %. Teacher Edition (TE) is not correlated.*		**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard IV:** *Ancillary Materials are not correlated.*		
OBJECTIVES & INDICATORS		**Coverage in *Student Edition(SE) and Teacher Edition (TE)* (pg #'s, etc.)**	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE or ancillaries*** ✓
Objective 4.1: Apply the properties of proportionality of				

different units of measure.				
a.	Convert units of measure within the same system.	**Student Edition** Unit 2 Lesson 9: p. 61 Unit 6 Lesson 3, p. 14 Lesson 17: pp. 82-85		
b.	Create and interpret scale drawings and approximate distance on maps using scale factors.	**Student Edition** Unit 3 Lesson 6: p. 32 Unit 6 Lesson 9: pp. 39-44 Lesson 10: pp. 45-49 Lesson 11: pp. 50-51 Lesson 13: pp 64-68 Lesson 14: pp. 69-72		
c.	Solve problems using scale factors.	**Student Edition** Unit 3 Lesson 6: p. 32 Unit 6 Lesson 9: pp. 39-44 Lesson 10: pp. 45-49 Lesson 13: pp. 64-68 Lesson 14: pp. 69-72 Lesson 15: pp. 73-75		
Objective 4.2: Derive formulas for surface areas and volume of three-dimensional figures.				
a.	Derive formulas for and calculate surface area and volume of right prisms and cylinders using appropriate units. *Correlator Comment:* **indicates the lessons considers point solids and spheres.*	**Student Edition** Unit 1 Lesson 7: p. 37 Lesson 8: p. 39-43 Lesson 9: pp. 45-46, 48-49 Lesson 12: p. 58 Lesson 13: pp. 62, 64-65 Lesson 14: p. 66 Unit 2 Lesson 10: p. 70 Lesson 12: p. 83 Unit 3 Lesson 3: pp. 15-20 Lesson 4: pp. 21-25 Lesson 5: pp. 26-30		

		Lesson 7: pp. 34-37 Lesson 8: pp. 38-43 Lesson 11: pp. 53-56 Lesson 12: pp. 57-62 Lesson 13: pp. 63-66 Lesson 14: pp. 67-69 Unit 4 Lesson 15: p. 60 Lesson 20: p. 81 Unit 6 Lesson 23: pp. 110-113 Unit 8 Lesson 4: pp. 14-18 Lesson 5: pp. 19-21 Lesson 7: pp. 24-28		
b.	Explain that if a scale factor describes how corresponding lengths in two similar objects are related, then the square of the scale factor describes how corresponding areas are related and the cube of the scale factor describes how corresponding volumes are related.	**Student Edition** Unit 6 Lesson 23: pp. 110-114		
c.	Find lengths, areas, and volumes of similar figures, using the scale factor.	**Student Edition** Unit 6 Lesson 9: pp. 39-44 Lesson 10: pp. 45-49 Lesson 13: pp. 64-68 Lesson 14: pp. 69-72 Lesson 23: pp. 110-114		
d.	Select appropriate two- and three-dimensional figures to model real-world objects, and solve a variety of problems involving surface areas and volumes of cylinders and prisms.	**Student Edition** Unit 3 Lesson 3: pp. 15-20 Lesson 4: pp. 21-25 Lesson 5: pp. 26-30 Lesson 6: pp. 31-33 Lesson 9: pp. 44-47 Lesson 10: pp. 48-52 Lesson 11: pp. 53-56 Lesson 12: p. 60 Lesson 13: pp. 63-66 Unit 6 Lesson 13: pp. 64-68 Lesson 14: pp. 69-72		

		Lesson 16: pp. 76-81 Lesson 23: pp. 110-113 Lesson 23: p. 114 Unit 8 Lesson 4: pp. 14-18 Lesson 5: pp. 19-21 Lesson 6, pp. 22-23 Lesson 7: pp. 24-28 Lesson 8: pp. 29-33 Lesson 9: pp. 34-38		
STANDARD V: Students will use algebraic, spatial, and logical reasoning to solve geometry and measurement problems.				
Percentage of coverage in the *student and teacher edition* for Standard V: *4/10 sub-indicators for the Student Edition (SE) are covered at 40 %. Teacher Edition (TE) is not correlated.*		**Percentage of coverage not in student or teacher edition, but covered in the *ancillary material* for Standard V:** *Ancillary Materials are not correlated.*		
OBJECTIVES & INDICATORS		**Coverage in *Student Edition(SE) and Teacher Edition (TE) (*pg #'s, etc.)**	**Coverage in *Ancillary Material* (titles, pg #'s, etc.)**	***Not covered in TE, SE or ancillaries*** ✓
Objective 5.1 Calculate probabilities of events and compare theoretical and experimental probability.				
a.	Solve counting problems using the Fundamental Counting Principle.	**Student Edition** -		
b.	Calculate the probability of an event or sequence of events with and without replacement using models.	**Student Edition** -		
c.	Recognize that the sum of the probability of an event and the probability of its complement is equal to one.	**Student Edition** -		
d.	Make approximate predictions using theoretical probability and proportions.	**Student Edition** -		
e.	Collect and interpret data to show that as the number of trials increases, experimental probability approaches the theoretical probability.	**Student Edition** -		
Objective 5.2: Formulate questions and answer the questions by organizing and analyzing data.				
a.	Formulate questions that can be answered through data collection and analysis.	**Student Edition** Unit 5 Lesson 1: p. 6		

		Lesson 2: pp. 13-14 Lesson 3: p. 19 Unit 8 Lesson 6, pp. 22-23 Lesson 7: pp. 24-28 Lesson 8: pp. 29-33 Lesson 9: pp. 34-38 Lesson 10: pp. 39-41		
b.	Determine the 25th and 75th percentiles (first and third quartiles) to obtain information about the spread of data.	**Student Edition** -		
c.	Graphically summarize data of a single variable using histograms and box-and whisker plots.	**Student Edition** Unit 5 Lesson 1: p. 2 Lesson 2: p. 13 Lesson 3: p. 16 Lesson 4: pp. 20-26 Lesson 5: p. 28		
d.	Compute the mean and median of a numerical characteristic and relate these values to the histogram of the data.	**Student Edition** Unit 5 Lesson 4: pp. 20-26 Lesson 5: pp. 27-30 Lesson 8: p. 49 Unit 6 Lesson 22: p. 108 Lesson 23: p. 112 Unit 8 Lesson 10: p. 40		
e.	Use graphical representations and numerical summaries to answer questions and interpret data.	**Student Edition** Unit 1 Lesson 15: pp. 72-76 Lesson 16: pp. 77-81 Lesson 17: pp. 85-86 Lesson 19: pp. 91-97 Unit 5 Lesson 1: pp. 1-8 Lesson 2: pp. 9-14 Lesson 3: pp. 15-19 Lesson 4, pp. 20-26 Lesson 5, pp. 27-30 Lesson 6, pp. 31-38 Lesson 18: pp. 90-93 Lesson 19: pp. 94-98		

		Unit 7 Lesson 7: pp. 30-34 Lesson 9: pp. 41-46 Lesson 10: pp. 47-50 Lesson 11: pp. 51-55 Lesson 12: pp. 56-61 Lesson 15: pp. 74-82 Lesson 16: pp. 83-86 Unit 8 Lesson 2: pp. 7-10 Lesson 3: pp. 11-13 Lesson 4: pp. 14-18 Lesson 5: pp. 19-21 Lesson 6, pp. 22-23 Lesson 7: pp. 24-28 Lesson 8: pp. 29-33 Lesson 9: pp. 34-38 Lesson 10: pp. 39-41		